

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): A method for cryptographic conversion of binary data blocks comprising splitting said data blocks into  $N \geq 2$  subblocks, ~~alternate~~ converting said blocks by turn by performing on the i-th subblock, where  $i \leq N$ , at least one conversion operation dependent on the value of j-th subblock, characterised in that an operation of transposing bits of i-th subblock is used as the operation dependent on the value of j-th subblock, where  $j \leq N$ .

Claim 2 (previously presented): The method according to claim 1, characterised in that said operation of transposing bits of said i-th subblock which depends on the value of j-th subblock is generated depending on a secret key before the beginning of i-th subblock conversion.

Claim 3 (previously presented): The method according to claim 1, characterised in that before performing the current operation of transposing bits of said i-th subblock which depends on the value of said j-th subblock, a binary vector V is additionally generated, said operation of transposing bits of said i-th subblock being performed depending on the V value, whereby said binary vector is generated depending on its value at the time of performing the preceding step of converting one of said subblocks and depending on the j-th subblock value.